INSTALLATION INSTRUCTIONS AND USER GUIDE

Thank you for purchasing a refillable cartridge kit. You have just taken the first step to enjoying the cost saving and superior performance benefits of using Ink2image bulk ink. The refillable cartridge kits are simple to install, easy to use and will provide you with many hours of trouble free and lower cost printing. However, the successful use of refillable cartridges is dependent on how accurately you follow this guide during installation. Please read these instructions and familiarize yourself with the components before you start the installation. During installation or refilling, it is wise to avoid touching the chips fitted to the cartridges. Please also remember that you are now about to start working with bulk ink instead of sealed cartridges. During installation and filling, protect the area around your printer in case of ink spillage and wear the disposable gloves included with the kit. Always have a roll of paper towel handy to clean ink from the components during filling. Also, it is a good idea to let refillable cartridges stand for a few hours after initially filling them to let any trapped air disperse, so we recommend that the initial fill routine is performed the day before you need to use them, if possible. Finally, replace the lids on ink bottles as soon as you have used them for refilling. Remember, accidents can happen!

Refillable cartridge kits are supplied in different versions dependent on the printer model. All of the cartridges used are similar in design and the filling methods are exactly the same for each type.

KIT COMPONENTS
(Kit shown is Epson Photo 2200 version)

1. Refillable cartridge set.
2. Drawing needles.
3. Gloves.
4. Filling syringes.
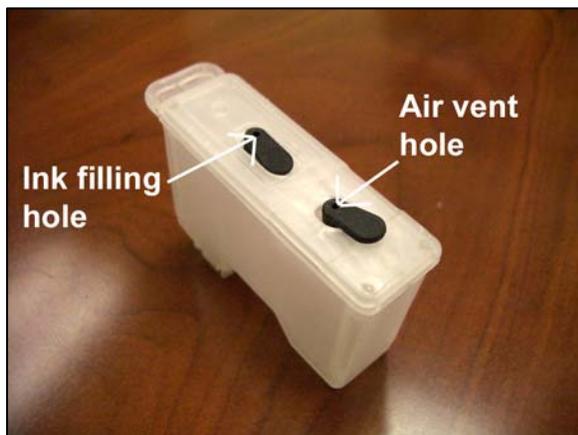5. Instructions and profiles on CD.
6. Ink bottles.

STEP 1

Before starting the installation, print a good nozzle check print using the existing inks installed on your printer. Write the date on the print and keep it. No warranty claim regarding the refillable cartridges and inks will be accepted unless it is supported by a good nozzle check print produced before the installation. The utility for producing a nozzle check print can be found under the 'Maintenance' or 'Utilities' tab of the Epson print driver software supplied with your printer.

STEP 2

If you are using Epson original pigment ink and are going to use Ink2image pigment inks in the refillable cartridges, then proceed to step 3. The same applies if you are using Epson original dye based inks and are going to use i2i Absolute Match or Fotonic dye based inks – you can also proceed to step 3. If you are currently using a different ink type, or are about to covert a printer from dye to pigment inks or visa versa, then it is a good idea to flush out your printer before installing the system. Otherwise, you will waste a lot of time and ink purging through one ink type to another, or could experience nozzle clogging. Ink2image supplies cleaning cartridges for this purpose. If you are in doubt about the need to flush your printer, then contact your local supplier or e-mail inquiries@ink2image.com. Ini2image will not be held responsible for problems caused by the incompatibility of different ink types.
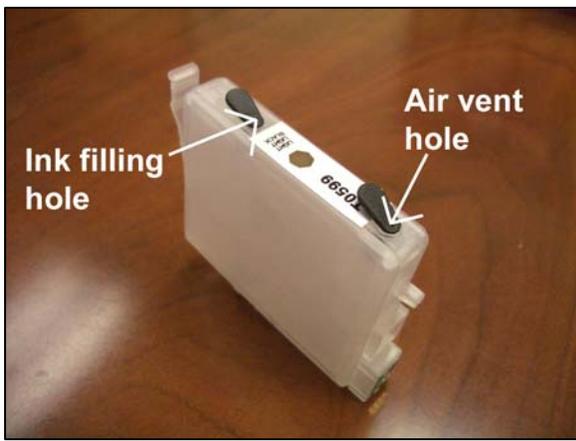
STEP 3

Lay out all the kit components on a flat surface near to your printer. Put some paper towel underneath the refillable cartridges and have some pieces of paper towel ready to clean up any ink spillages. Wear the gloves supplied with the kit. Firstly, familiarize your self with the two holes on the top of each cartridge or ink chamber. Each hole has a color coded rubber bung in it. The two holes are called the ink filling hole and the air vent hole. The pictures below show which is which for each type of cartridge design. Some cartridges for newer printer models may come with a piece of tear off tape over the air hole instead of a rubber bung. In this case, the tape must not be removed until after the initial filling process described below.
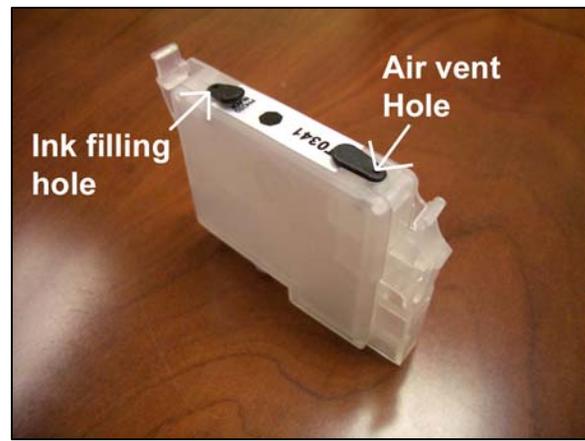

Epson 1270/1280/2000p black cartridge.

Epson 1270/1280/2000p color cartridge.

Epson C series and R series cartridge.

Epson 2200 cartridge.

INK FIILLING HOLE

This hole is used for filling ink into the cartridges. This rubber bung <u>must</u> be in place during printing and should only be removed when filling the cartridges with ink.

AIR VENT HOLE

This hole allows air into the cartridge. This rubber bung <u>must not</u> be in place when printing. The only time to have this bung in place is during the initial filling procedure below or, if you want to seal the cartridge during long periods of non-use, or for storage. As mentioned above, cartridges for some newer printer models have removable tape over the air vent hole. This tape <u>must not</u> be removed before the initial filling process, but <u>must be</u> removed before installing the cartridge in the printer

STEP 4 – INITIAL FILLING

The methods for filling the refillable cartridges for the first time and for refilling the cartridges are different. It is best to fill for the first time using a suction method as this will help remove air from the exit port and internal damper. When filling, it is advisable to work with one ink bottle and cartridge at a time to reduce the possibility of knocking an open bottle over or of filling the wrong ink into the wrong cartridge.

Take the first cartridge and remove the rubber bung from the ink filling hole. Take the bottle of the corresponding ink and remove the lid. Take a syringe and push a drawing needle onto the tip of the syringe. Immerse the tip of the needle into the ink and pull up on the syringe plunger to fill the syringe with ink to the 7 ml mark. Insert the needle down into the ink filling hole on the cartridge and gently inject the 7 ml of ink into the cartridge. This should fill the cartridge to about half full.

Next, remove the needle from the syringe and jam the tip of the syringe into the ink filling hole. Pull the syringe plunger up to the 10 ml mark to create a vacuum inside the cartridge. You will notice that some bubbling of the ink occurs as air is sucked out of the bottom of the cartridge. Push down on the plunger and then pull up again to the 10 ml mark to suck more air out of the cartridge. Push the plunger down again, remove the syringe from the cartridge, and fit the needle to the end of the syringe again. Draw up around 10 ml of ink from the bottle and slowly inject this ink into the cartridge through the ink filling hole until the cartridge is full. Return any ink in the syringe to the bottle.

Push the rubber bung back into the ink filling hole, so that the cartridge is sealed. Gently turn the cartridge upside down and then back upright a few times. This will help remove any air trapped in the bottom of the cartridge. Replace the lid on the ink bottle.

The filled cartridge should now look like this picture. Wash out the syringe and drawing needle with water, and keep in a safe and clean place for when the cartridge needs refilling. Repeat the initial filling process with all the other inks and cartridges in turn, using a clean syringe and drawing needle for each ink. Once you have filled all the cartridges, it is a good idea to let the cartridges stand upright for a few hours or overnight before using them. This will allow any trapped air in the cartridges to disperse and make printing more reliable.
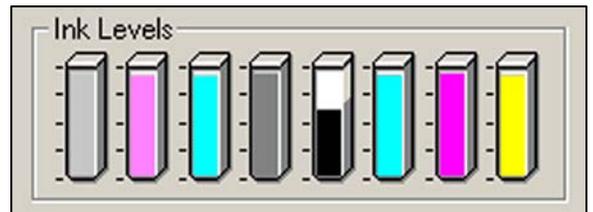

STEP 8

Install the cartridges in your printer just as you would with normal cartridges. Remove the rubber bungs or the tape from all of the air vent holes. Keep the bungs safe for when you want to leave your printer unused for a period, or want to remove and store the refillable cartridges. Perform head cleanings and nozzle check prints using the maintenance facility in the printer driver software until you get a good nozzle check. You are now ready to start printing. When you start printing for the first time, or have just refilled a cartridge, you may get a warning on your computer that the cartridges are not Epson originals. This is normal so just confirm that you want to proceed.

How THE REFILLABLE CARTRIDGES WORK WITH DRIVER SOFTWARE

The chips fitted to the refillable cartridges work in conjunction with the ink level monitor in the driver software just like normal cartridges - the ink monitor will show the ink level reducing in each cartridge as you print. However, when the ink level in a cartridge shows to be low or empty, the cartridge will reset to full by switching your printer off

and then on again, or by pressing the cartridges change button on the printer. It is very important that you do refill a cartridge when the ink level shows to be low or empty. If you reset the cartridge to full by switching on and off, or by pressing the cartridge change button and then don't refill, the cartridge will run dry before the ink monitor software shows it is empty. Conversely, If you refill a cartridge before it shows low or empty, then the printer will stop printing when the ink monitor software shows the cartridge is empty even though the cartridge still contains ink. The best way to work with refillable cartridges is to only refill them when the ink monitor software gives you a warning that a cartridge is running low or is empty. This way you will keep the actual ink levels in the cartridges in sync with the driver software.

REFILLING THE REFILLABLE CARTRIDGES

As stated earlier, the method for refilling cartridges is different from the initial fill procedure. There are two methods for refilling the cartridges. Method one is to refill a cartridge while it is still in the printer. This is the fastest method but is a little more difficult as you can not see the ink level in the cartridge, so more care is needed. Method two requires that the cartridge is removed from the printer. This is the easiest method but will reduce the effective life of the cartridge as it puts more wear on the cartridge seals and ink valve. An empty cartridge will take between 14 – 15 ml of ink to refill depending on how accurately the ink monitor software has calculated ink usage.

Refilling Method One

Press the cartridge change button on the printer to move the print head carriage to the cartridge change position, and open the cartridge bay lid. Remove the ink filling hole bung from the cartridge or ink chamber that you want to refill. Take a clean syringe fitted with a clean drawing needle and fill with the correct color ink to the 10 ml mark on the syringe. Remove the drawing needle from the syringe and insert the tip of the syringe firmly into the ink filling hole. Slowly push down on the syringe plunger to inject all the ink into the cartridge. Refill the syringe with ink using the same drawing needle as described above, but this time fill only to the 7 ml mark. Remove the drawing needle and again insert the tip of the syringe into the ink filling hole. Slowly push down on the syringe plunger but this time keep an eye on the air vent hole. If you see ink starting to rise up in the air vent hole, then immediately stop pushing down on the plunger. Remove the syringe from the cartridge and return any ink in the syringe back to the ink bottle. Replace the bung in the ink filling hole and close the cartridge bay lid. Push the cartridge change button to return the print head carriage to the stand by position. This will also reset the ink monitor for this cartridge to full. Perform a nozzle check print and cleanings as necessary until you get a good nozzle check print. Finally clean the syringe and drawing needle with water and keep safe for use next time.

Refilling Method Two

Proceed as with method one by pushing the cartridge change button and opening the cartridge bay lid. This time remove the cartridge from the printer and place on some paper towel. Be aware that the cartridge may drip from the ink exit hole underneath, particularly if the cartridge has been removed from the printer a number of times. The ink exit hole does contain a valve to prevent ink leakage but this can get warn by removal and re-insertion a lot of times. Refill the cartridge in the same way as in method one, but this time you will be able to see the level of ink in the cartridge and so there is less danger of over filling than with method one. When you have refilled the cartridge, replace the ink filling hole bung and re-install the cartridge in the printer. Push the cartridge change button to return the print head carriage to the stand by position. This will also reset the ink monitor for this cartridge to full. Perform a nozzle check print and cleanings as necessary until you get a good nozzle check print. Finally clean the syringe and drawing needle with water and keep safe for use next time.

If you require assistance with any aspect of using refillable cartridges then e-mail inquires@ink2image.com or call toll free at 1 800 443 9508 or 1 847 827 0747.

30 DAY GUARANTEE TO REPLACE DEFECTIVE PARTS

Ink2image guarantee all parts are defect-free for a period of 30 days from the date that you receive your refillable cartridge kit. If you have received a defective part, please initially contact the retailer or dealer from where the system was purchased.

DISCLAIMER

As refillable cartridges are self installed by the user, Ink2image is not responsible for any damages to your printer, whether they are or are not related to the refillable cartridges. Please contact the store or dealer where the printer was purchased, or the printer manufacturer for any problems or questions related to the printer and its operation.

If the Customer chooses to use ink in the cartridges from another manufacturer other than Ink2image, and is not satisfied with the ink, or it clogs the printer or the cartridges, it will be the Customers responsibility to pay for the parts to repair the system and restore it to normal usage. We can only guarantee that the refillable cartridges will deliver Ink2image ink just as well as a normal ink cartridge. We will not accept returns of cartridges filled with third party ink that the customer later decides does not meet their specific needs.